

**Midwest Interstate Trail
EXHIBIT E - Workhour Summary**

Task and Description		Total	RS&H	Prairie	Kaskaskia
Task 1	Data Collection and Review				
	<i>Review Existing Data</i>	40	40		
	<i>Prepare Photo Log</i>	8	8		
	<i>Site Visit</i>	74	24		50
	<i>Tile Investigation</i>	4	4		
	Subtotal:	126	76	0	50
Task 2	Phase I Base Mapping				
	<i>Airspace Requirements & Chain O' Lakes Permit</i>	8		8	
	<i>Control for Aerial Survey (Targets, PIDS, NVAs, VVAs)</i>	64		64	
	<i>Aerial Mapping Field Collection</i>	66		66	
	<i>Download and Process Aerial Survey Data</i>	60		60	
	<i>Base Topographic Survey Drawing Development</i>	208		208	
	<i>Develop Control Report</i>	16		16	
	<i>Walk through and Improvement Pickup Survey</i>	168		168	
	<i>Mobilization</i>	72		72	
	Subtotal:	662	0	662	0
Task 3	Utility Identification and Coordination				
	<i>JULIE Design Locate</i>	9	9		
	<i>Utility Notification Letters</i>	6	6		
	<i>Base Drawing and Conflict Identification.</i>	26	26		
	<i>Follow-Up Letters</i>	18	18		
	Subtotal:	59	59	0	0
Task 4	Environmental Studies				
	<i>Environmental Survey Request</i>	62	62		
	<i>Wetland Delineation and Report / WIE</i>	54	4		50
	<i>Tree Inventory</i>	48			48
	<i>Bridge Bat Assessment</i>	8			8
	<i>Special Waste Assessment</i>	12			12
	<i>Permit List</i>	6			6
	<i>PESA/Validation/Response</i>	74			74
	Subtotal:	264	66	0	198
Task 5	Traffic and Safety Analysis Report				
	<i>Crash Analysis</i>	42	42		
	<i>Traffic Data Collection</i>	40	40		
	<i>Traffic Analysis</i>	28	28		
	Subtotal:	110	110	0	0
Task 6	Multi-use Path Alternatives Analysis				
	<i>Alternative Studies</i>	240	240		
	Subtotal:	240	240	0	0
Task 7	Intersection Design Study				
	<i>Draft</i>	62	62		
	<i>Final</i>	22	22		
	Subtotal:	84	84	0	0

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Task 8 Geotechnical Subsurface Investigation				
<i>Bridge Deck Sampling</i>	0			Direct Exp
<i>Structure Borings</i>	0			Direct Exp
<i>Roadway (Subgrade) Borings</i>	0			Direct Exp
<i>Pavement Cores</i>	0			Direct Exp
<i>Laboratory Testing</i>	0			Direct Exp
<i>Coordination</i>	0			Direct Exp
<i>Traffic Control</i>	0			Direct Exp
<i>Geotechnical Field Exploration</i>	110	4		106
<i>Structure Geotechnical Report</i>	188	4		184
<i>Roadway Geotechnical Report</i>	218	4		214
Subtotal:	516	12	0	504
Task 9 Preferred Alternative Analysis				
<i>Preliminary Design</i>	80	80		
<i>Plan & Profile (20 at 6 Hrs/Sheet)</i>	120	120		
<i>Typical Sections (6 at 4 Hrs Each)</i>	24	24		
<i>Cross Sections (220 at 0.5 Hrs Each)</i>	110	110		
<i>ADA Details (12 at 6 Hrs Each)</i>	72	72		
<i>Cost Estimate</i>	40	40		
<i>Design Exceptions</i>	10	10		
<i>Barrier Warrant Analysis</i>	12	12		
<i>Sight Distance Analysis</i>	10	10		
Subtotal:	478	478	0	0
Task 10 Structures				
<i>Preliminary Design</i>	298	298		
<i>Structure Alternatives Analysis Memorandum</i>	296	296		
<i>Type, Size, & Location Drawing (TS&L)</i>	728	728		
Subtotal:	1322	1322	0	0
Task 11 Abbreviated Location Drainage Study				
<i>Evaluate Existing Drainage and Determine Deficiencies</i>	102	102		
<i>Perform Stormwater Detention Analysis</i>	16	16		
<i>Design Proposed Drainage Improvements</i>	222	222		
<i>Prepare Abbreviated LDS</i>	60	60		
Subtotal:	400	400	0	0
Task 12 Permit Coordination				
<i>McHenry County P&D Stormwater Permit Coordination (Pre-app meeting covered in Task 17.0)</i>	0			
Subtotal:	0	0	0	0
Task 13 Traffic Management Analysis				
<i>Traffic Management and Detour Analysis</i>	36	36		
<i>IDOT Coordination and TMP Submittal</i>	24	24		
Subtotal:	60	60	0	0

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Task 14	Public Involvement				
	<i>Public Involvement Plan</i>	14	14		
	<i>Project Advisory Group Meetings</i>	135	135		
	<i>Stakeholder Coordination</i>	30	30		
	<i>Impacted Property Coordination</i>	52	52		
	<i>Public Meeting</i>	180	180		
	<i>Website</i>	36	36		
	Subtotal:	447	447	0	0
Task 15	Project Development Activities and Report				
	<i>Existing Condition Analysis</i>	40	40		
	<i>Draft Project Development Report</i>	72	72		
	<i>Final Project Development Report</i>	36	36		
	Subtotal:	148	148	0	0
Task 16	Right-of-Way and Easement Plats				
	<i>Courthouse Research and Document Review</i>	41		41	
	<i>Right of Entry Coordination</i>	21		21	
	<i>Boundary Reconnaissance & Data Collection</i>	176		176	
	<i>Boundary Calculations</i>	56		56	
	<i>Public Land Survey System Corner Monument Reestablishment & I</i>	44		44	
	<i>Plat of Highways & Boundary Description Development</i>	366		366	
	<i>Proposed ROW & Easement corner staking</i>	92		92	
	<i>Mobilization</i>	90		90	
	Subtotal:	886	0	886	0
Task 17	Meetings				
	<i>MCDOT Kick-off Meeting</i>	8.5	8.5		
	<i>IDOT Kick-off Meeting</i>	8.5	8.5		
	<i>Project Site Meeting</i>	8.5	8.5		
	<i>FHWA/IDOT Meeting</i>	8.5	8.5		
	<i>MCDOT Milestone Submittal Review Meeting (2)</i>	17	17		
	<i>McHenry P&D Pre-application Meeting</i>	8.5	8.5		
	<i>Stakeholder Coordination Meetings (3)</i>	25.5	25.5		
	Subtotal:	85	85	0	0
Task 18	Project Administration and Management				
	<i>Project Startup</i>	58	48	8	2
	<i>Monthly Invoices and Progress Reports (24 months)</i>	78	48	18	12
	<i>Project Coordination and Monthly Calls (24 months)</i>	108	72	24	12
	<i>Project Schedule Monitoring</i>	42	24	12	6
	<i>QA/QC</i>	276	190	62	24
	Subtotal:	562	382	124	56
	Total:	6,449	3,969	1,672	808